

ABSTRACT

The invention comprises a method for manufacturing a shaft-hub connection. This connection includes a brake disk having a hub and a drive shaft having a bell, wherein the drive shaft comprises a catching portion having a polygonal outer contour. This portion extends into an aperture in the brake disk having a corresponding inner polygonal contour. The method comprises the procedural steps of green machining via turning of the brake disk and the drive shaft, hardening of the drive shaft, final finishing via turning of the brake disk and final finishing via turning of the drive shaft to obtain the final products with only one chucking action.